INTELLIGENT COMPACTION COLD-IN-PLACE RECYCLING COMPACTION QUALITY CONTROL REPORT SUMMARY

CEM-IC24 (09/20/2016)

PROJECT INFORMATION/NAME	CONTRACT NUMBER	CO/RTE/PM
	PROJECT IDENTIFIER NUMBER	
	CONTRACTOR NAME	

Instruction: This form to be used by the contractor to summarize the daily cold-in-place recycling intelligent compaction quality control report information. For questions about this form send an email to: IC@dot.ca.gov

Quality control report summary for cold-in-place recycling placed on:	CIR Placement Date

COLD-IN-PLACE RECYCLING (CIR) INFORMATION

CIR Placement Location		Direction	Lane Number
Beginning Station/Post Mile	Ending Station/Post Mile	☐ Initial Compaction ☐ Supplemental Compaction	

Intelligent Compaction Technical Representative

Compaction QC Technician (print name)	Company (print name)
Email address	Phone Number:

Intelligent Compaction Quality Control Technician

Compaction QC Technician (print name)	Intelligent Compaction QC Training Completion Date:	Training requirement effective July 1, 2016.
Email address	Phone Number	

Intelligent Compaction Data Analysis Technician

Data Analysis Technician (print name)	Data Analysis Training Completion Date:	Training requirement effective July 1, 2016.
Email address	Phone Number	

Quality Control Report Preparer

Quality Control Report Completed by (print name)	Signature	Date
Email Address	Phone Number	

Activities Before Daily Production

☐ Check testing

GPS Measurement	X	Y
A-Roller		
B-Rover		
Difference (A-B)		

**Take corrective action if difference more than* 0.5 ft in any direction

COMMENTS:

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Intelligent Compaction Target Values Determined From Test Strip

_____Target number of roller passes for IC vibratory steel drum roller compaction

_____Target intelligent compaction measurement value

_____Roller pass number that is the basis for target intelligent compaction measurement value

_____Target number of roller passes for automated machine guidance pneumatic tire roller compaction

If intelligent compaction vibratory steel drum roller is used after completion of pneumatic rolling provide the following information:

_____Intelligent compaction measurement value

_____Final roller pass number that is the basis for target intelligent compaction measurement value

COMMENTS:

DAILY COMPACTION QUALITY CONTROL REPORT SUMMARY

Daily CIR area completed Using IC_____(yd^2)

Intelligent Compaction Vibratory Steel Drum Roller Number of Passes

_____Target number of roller passes	_____Percent work area covered by minimum number of roller passes

Does the number of passes for IC vibratory steel drum roller compaction shown on final coverage histogram of number of passes show that at least 90 percent coverage of the CIR placement area meets or exceeds the minimum number of roller passes based on target value established at the test strip?

☐ Yes ☐ No

If no, corrective action taken:

Intelligent Compaction Measurement Value

_____Target intelligent compaction measurement value	_____Daily average intelligent compaction measurement value

Does the daily average intelligent compaction measurement value for final coverage of IC vibratory steel drum roller meets or exceeds the target intelligent compaction measurement value established at the test strip?

☐ Yes ☐ No

If the answer is no, corrective action is not required because intelligent compaction measurement value is report only.

Automated Machine Guidance Roller

_____Target number of roller passes	_____Percent work area covered by minimum number of roller passes

Does the number of passes for automated machine guidance roller shown on final coverage histogram of number of passes show that at least 90 percent coverage of the CIR placement area meets or exceeds the minimum number of roller passes based on target value established at the test strip?

☐ Yes ☐ No

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If no, corrective action taken:
Note: Results from intelligent compaction are for contractor quality control purposes and not to be used as Caltrans acceptance of CIR. When density is verified by contractor nuclear gage quality control test results, then corrective action for number of passes is not required.

Updated 2016-04-01

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Additional Intelligent Compaction Vibratory Steel Drum Roller Compaction

If roller pattern shown on *Contractors Establishment of Break Over Density* form includes addition rolling using IC vibratory steel drum roller after pneumatic rubber tire rolling provide the following information:

☐ Yes ☐ Not Required

_____Target number of roller passes	_____Percent work area covered by minimum number of roller passes

Does the number of passes for IC vibratory steel drum roller compaction shown on final coverage histogram of number of passes show that at least 90 percent coverage of the CIR placement area meets or exceeds the minimum number of roller passes based on target value established at the test strip?

☐ Yes ☐ No

If no, corrective action taken:

Intelligent Compaction Measurement Value

_____Target intelligent compaction measurement value	_____ Daily average intelligent compaction measurement value

Does the daily average intelligent compaction measurement value for final coverage of IC vibratory steel drum roller meets or exceeds the target intelligent compaction measurement value established at the test strip?

☐ Yes ☐ No

If the answer is no, corrective action is not required because intelligent compaction measurement value is report only.

Note: Results from intelligent compaction are for contractor quality control purposes and not to be used as Caltrans acceptance of CIR. When the daily average intelligent compaction measurement meets or exceeds the target value and density is verified by contractor nuclear gage quality control test results, then corrective action for number of passes is not required.

Compaction Quality Control Report Review

COMMENTS:

I have reviewed the intelligent compaction results shown on compaction quality control report for compliance with the contract specifications and taken corrective action when required.

Quality Control Manger (print name)	Signature	Date Reviewed

Compaction Quality Control Report Submittal Information

Submit hardcopy to resident engineer within 1 business day of CIR placement.	Submitted by (print name)	Date
Submit Adobe *.pdf file to resident engineer within 1 business day of CIR placement.	Submitted by (print name)	Date